

## Accelerated Clinical Trial Agreement - CRO

This Accelerated Clinical Trial (ACTA) Agreement ("Agreement") is made as of the date of the last signature herein (the "Effective Date") by and between Oregon Health & Science University, a non-profit, educational, research and healthcare institution ("Institution") with an address at 3181 SW Sam Jackson Park Road, Portland, Oregon 97239 and CTI Clinical Trial Services, Inc., an Ohio corporation having its principal place of business at 100 East RiverCenter Boulevard, Covington, KY 41011 ("CRO"). CRO and Institution are herein referred to collectively as "Parties." Individually, each of CRO and Institution is a "Party."

**WHEREAS**, CRO has been engaged by Talaris Pharmaceuticals, Inc. (the "Sponsor") to arrange and administer a multi-center clinical trial funded by Sponsor to determine the safety and efficacy of Sponsor's product;

**WHEREAS**, Institution, Sponsor and CRO have agreed to use the ACTA, to accelerate the process of translating laboratory discoveries into treatments for patients, to engage communities in clinical research efforts, and to train a new generation of clinical and translational researchers;

**WHEREAS**, Sponsor is a for-profit organization that intends to conduct a sponsored multi-center clinical trial, described in 1.1 below, involving the use of certain diagnostic(s), drug(s), devices(s), or biologic(s) provided by Sponsor and desires that Institution participate in such clinical trial;

**WHEREAS**, the Institution has appropriate facilities and personnel with the qualification, training, knowledge, and experience necessary to conduct such a clinical trial; and

**WHEREAS**, the Study contemplated by this Agreement is of interest and benefit to Institution, Sponsor and CRO, and will further the instructional and research objectives of Institution in a manner consistent with its status as a nonprofit educational, research and health care institution;

**NOW, THEREFORE**, in consideration for the mutual promises made in this Agreement and for valid consideration, the Parties agree as follows:

### **1. Scope of Agreement**

1.1. Institution will undertake a sponsored multi-center clinical trial ("Study") described in the protocol entitled, FCR001A2301 (the "Protocol") entitled: "A 5-year, randomized, controlled, multi-center study to assess the safety and efficacy of FCR001 cell-based therapy relative to tacrolimus plus mycophenolate mofetil in de novo living donor renal transplant recipients, and safety in FCR001 donors" ("Study"), which is incorporated herein as **Exhibit A** ("Protocol"). Institution will use its reasonable efforts to only recruit subjects in accordance with the Protocol. The Study will be conducted by the Institution under the direction of

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Douglas Norman, MD, an employee of Institution ("Principal Investigator").

1.2. In the event of any conflict between the terms and conditions of this Agreement and the Protocol or between this Agreement and any of its Exhibits, the terms and conditions of the Protocol shall control with respect to matters of the clinical conduct of the Study, and the terms of this Agreement shall control with respect to all other matters.

1.3. Unless otherwise agreed to by the Parties, Sponsor and/or CRO will provide to Institution on a timely basis, without charge, the required quantities of properly-labeled Sponsor drug(s) or biologics(s) ("Study Drug") and/or device(s) ("Study Device") and other materials (e.g., Investigator's Brochure, handling and storage instructions, and, if applicable, placebo) necessary for Institution to conduct the Study in accordance with the Protocol. Unless stated otherwise in writing by Sponsor, all such items are and will remain the sole property of Sponsor until administered or dispensed to Study subjects during the course of the Study. Receipt, storage, and handling of Study Drug or Study Device will be in compliance with all applicable laws and regulations, the Protocol, and CRO's or Sponsor's instructions.

1.4. CRO and Institution shall comply with and conduct all aspects of the Study in compliance with all applicable federal, state, and local laws and regulations, including generally accepted standards of good clinical practice as adopted by current FDA regulations and statutes and regulations of the U.S. Government relating to exportation of technical data, computer software, laboratory prototypes, and other commodities as applicable to academic institutions. Institution will only allow individuals who are appropriately trained and qualified to assist in the conduct of the Study.

1.5. Institution shall obtain IRB approval for this Study and proof thereof shall be provided to CRO. Initiation of the Protocol and Institution's obligation to conduct the Study shall not begin until IRB approval is obtained. Institution shall obtain from each subject, prior to the subject's participation in the Study, a signed informed consent and necessary authorization to disclose health information to CRO and/or Sponsor in a form approved in writing by the IRB or a waiver of consent as directed by the IRB and further provided that the informed consent is consistent with Institution's policies.

1.6. Institution shall promptly inform Sponsor of any urgent safety measures as instructed in the Protocol or breaches of the Protocol of which Institution becomes aware.

1.7. Institution acknowledges CRO's right to assign or transfer, in whole or in part, with notice to Institution, any of its rights or obligations under this Agreement to the Sponsor or Sponsor's designate.

## 2. Payments

Sponsor will provide financial support for the Study and will provide such funds to CRO who will pay Institution in accordance with the budget attached as **Exhibit B** ("Budget") on a prorated basis, according to the actual work completed and any non-cancelable obligated expenses, for subjects who are enrolled into the Study. The Parties acknowledge that the

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Budget amounts represent an equitable exchange for the conduct of the Study in light of the professional time and expenses required for the performance of the Study.

In addition to other necessary routing information detailed in Exhibit B, each payment shall clearly reference the: Study Protocol Number and PI name.

For administrative convenience, various Study contact information may be attached hereto and incorporated by reference as **Exhibit C**, entitled, "Administrative & Study Points of Contact."

The Institution's tax identification number is: 93-1176109.

### 3. Confidentiality

3.1. It is anticipated that in the performance of this Agreement, Sponsor and/or CRO on behalf of Sponsor may need to disclose to Institution information which is considered confidential. The rights and obligations of the Parties with respect to such information are as follows:

"Confidential Information" refers to information of any kind which is disclosed to the Institution by

Sponsor and/or CRO on behalf of Sponsor for purposes of conducting the Study or Data (as defined below in Section 4) which:

- a) by appropriate marking, is identified as confidential and proprietary at the time of disclosure; or
- b) if disclosed orally, is identified in a marked writing within thirty (30) days as being confidential.

Sponsor and/or CRO on behalf of Sponsor will make reasonable efforts to mark Confidential Information as stated in (a) and (b) above. However, to the extent such marking is not practicable, then in the absence of written markings, information disclosed (written or verbal) that a reasonable person familiar with the Study would consider it to be confidential or proprietary from the context or circumstances of disclosure shall be deemed as such. Notwithstanding the foregoing, Data and results generated in the course of conducting the Study are not Confidential Information for publishing purposes in accordance with Section 9 of this Agreement.

Institution agrees, for a period of five (5) years following the termination or expiration of this Agreement, to use reasonable efforts, no less than the protection given their own confidential information, to use Confidential Information received from Sponsor and/or CRO on behalf of Sponsor in accordance with this Section.

Institution agrees to use Sponsor's Confidential Information solely as allowed by this Agreement, and for the purposes of conducting the Study. Institution agrees to make Sponsor's Confidential Information available only to those of its, or its affiliated hospitals'

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employees, IRB members, personnel, agents, consultants, and vendors, and approved subcontractors, as applicable, who require access to it in the performance of this Study, and are subject to similar terms of confidentiality.

3.2. The obligation of nondisclosure does not apply with respect to any of the Confidential Information that:

- a) is or becomes public knowledge through no breach of this Agreement by Institution;
- b) is disclosed to Institution by a third party entitled to disclose such information without known obligation of confidentiality;
- c) is already known or is independently developed by Institution without use of Sponsor's Confidential Information as shown by Institution's contemporaneous written records;
- d) is necessary to obtain IRB approval of Study or required to be included in the written information summary provided to Study subject(s) and/or informed consent form;
- e) is released with the prior written consent of the Sponsor; or
- f) is required to support the medical care of a Study Subject.

3.3. Institution may disclose Confidential Information to the extent that it is required to be produced pursuant to a requirement of applicable law, IRB, government agency, an order of a court of competent jurisdiction, or a facially valid administrative, Congressional, or other subpoena, provided that Institution, subject to the requirement, order, or subpoena, promptly notifies Sponsor. To the extent allowed under applicable law, Sponsor may seek to limit the scope of such disclosure and/or seek to obtain a protective order. Institution will disclose only the minimum amount of Confidential Information necessary to comply with law or court order as advised by Institution's legal counsel.

3.4. No license or other right is created or granted hereby, except the specific right to conduct the Study as set forth by Protocol and under terms of this Agreement, nor shall any license or other right with respect to the subject matter hereof be created or granted except by the prior written agreement of the Parties duly signed by their authorized representatives.

3.5. Upon Sponsor's and/or CRO's written request, Institution agrees to return all Confidential Information supplied to it by Sponsor and/or CRO on behalf of Sponsor at Sponsor's expense pursuant to this Agreement except that Institution may retain such Confidential Information in a secure location for purposes of identifying and satisfying its obligations and exercising its rights under this Agreement.

3.6. Institution may disclose the existence of this Agreement and any additional information necessary to ensure compliance with applicable Federal, State, and Institutional policies, regulations, and laws.

#### 4. Data Use/Ownership

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"Data" shall mean all data and information generated by Institution as a result of conducting the Study in accordance with the IRB approved Protocol. Data does not include original Study subject or patient medical records, research notebooks, source documents, or other routine internal documents kept in the Institution's ordinary course of business operations, which shall remain the sole and exclusive property of the Institution or medical provider. Sponsor owns and has the right to use the Data in accordance with the signed informed consent and authorization form, applicable laws, and the terms of this Agreement. Notwithstanding any licenses or other rights granted to Sponsor herein, but in accordance with the confidentiality and publication sections herein, Institution shall retain the right to use the Data and results for its publication, IRB, regulatory, legal, clinical, educational, and internal research purposes.

## 5. HIPAA/HIPAA Privacy

5.1. Institution shall comply with applicable laws and regulations, as amended from time to time, including without limitation, the Health Insurance Portability and Accountability Act of 1996 and its implementing regulations (HIPAA) with respect to the collection, use, storage, and disclosure of Protected Health Information (PHI) as defined in HIPAA. CRO and Sponsor through its agreement with CRO, shall collect, use, store, access, and disclose PHI collected from Study subjects only as permitted by the IRB approved informed consent form or HIPAA authorization form obtained from a Study subject. Sponsor will collect, use, store, and disclose any Subject Material, defined in Section 15, it receives only in accordance with the informed consent form and, in any event, will not collect, use, store, or disclose any PHI attached to or contained within the Subject Material in any manner that would violate this Section of the Agreement.

Institution acknowledges that, pursuant to Section 111 of the Medicare, Medicaid, and SCHIP Extension Act of 2007 ("MMSEA"), Sponsor has an obligation to submit certain reports to the Centers for Medicare & Medicaid Services with respect to Medicare beneficiaries who participate in the Study and experience a research injury for which diagnosis or treatment costs are incurred. Sponsor and CRO recognize that each party is subject to laws and regulations protecting the confidentiality of research subject information. Accordingly: (1) Institution agrees upon prior written request to provide to Sponsor, or CRO as designated by Sponsor, certain identifiable patient information required by MMSEA for Study subjects who are Medicare beneficiaries and incur medical costs in association with a research injury and whose costs are reimbursed by Sponsor pursuant to this Agreement; and (2) Institution further agrees to otherwise cooperate with Sponsor (and CRO as designated by Sponsor) to the extent necessary for Sponsor to meet its MMSEA reporting obligations.

5.2. CRO's ability to review the Study subjects' Study-related information contained in the Study subject's medical record shall be subject to reasonable safeguards for the protection of Study subject confidentiality and the Study subjects' informed consent form or HIPAA authorization form.

5.3. Neither CRO, nor Sponsor through its agreement with CRO, shall attempt to identify, or contact, any Study subject unless permitted by the informed consent form.

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## 6. Record Retention

As applicable by law, Institution shall retain and preserve a copy of the Study records for the longer of:

- a) two (2) years after a marketing authorization for Study Drug, or Study Device has been approved for the indication for which it was investigated or Sponsor has discontinued research on the Study Drug or Study Device;
- b) such longer period as required by federal regulatory requirements; or c) as requested by Sponsor at Sponsor's reasonable storage expense.

## 7. Monitoring and Auditing

7.1. Site visits by Sponsor, CRO and/or another authorized designee (e.g., Study monitor) will be scheduled in advance for times mutually acceptable to the Parties during normal business hours. Sponsor's, CRO's and/or authorized designee's access is subject to reasonable safeguards to ensure confidentiality of medical records and systems.

7.2. Upon becoming aware of an audit or investigation by a regulatory agency with jurisdiction over the Study, Institution agrees to provide Sponsor with prompt notice of the auditor investigation. If legally permissible or allowable by the regulatory agency and permissible in accordance with the Institution's policy, Sponsor may be available or request to be present with approval from auditor during such audit, but Sponsor will not alter or interfere with any documentation or practice of Institution. Institution shall be free to respond to any regulatory agency inquiries and will provide Sponsor with a copy of any formal response or documentation to the regulatory agency regarding the Study.

## 8. Inventions, Discoveries and Patents

8.1. It is recognized and understood that certain existing inventions and technologies, and those arising outside of the research conducted under this Agreement, are the separate property of Sponsor or Institution and are not affected by this Agreement, and neither Sponsor nor Institution shall have any claims to or rights in such separate inventions and technologies.

8.2. Any new patentable inventions, developments, or discoveries made during and in the performance of the Study ("Inventions") shall be promptly disclosed to Sponsor. Title to Inventions that necessarily use or necessarily incorporate Sponsor's Study Drug and/or Study Device shall reside with Sponsor ("Sponsor Inventions"). Institution shall assign all Sponsor Inventions to Sponsor in writing. Title to Inventions other than Sponsor Inventions ("Other Inventions") shall reside with Sponsor if Sponsor personnel are the sole inventors, with Institution if Institution personnel are the sole inventors, and shall be held jointly if both Institution and Sponsor personnel are inventors. Institution's obligations under Sections 8.2 and 8.3 hereunder shall be performed by its appropriate office with technology transfer responsibilities, if required by and in accordance with Institution policies.

8.3. To the extent that Institution owns sole or joint title in any such Other Inventions, Sponsor is hereby granted, without option fee other than consideration of the Study sponsored herein and the reimbursement to Institution for patent expenses incurred prior to or during the option period, an option to acquire an exclusive, worldwide, royalty-bearing license to Institution's rights to any Other Invention, which option shall extend for no more than ninety (90) days after Sponsor's receipt of an Invention disclosure from Institution ("Option Period"). Sponsor and Institution shall use their reasonable efforts to negotiate, for a period not to exceed ninety (90) days after Sponsor's exercise of such option, a license agreement satisfactory to both parties ("Negotiation Period"). In the event Sponsor fails to exercise its option within the Option Period, or Sponsor and Institution fail to reach agreement on the terms of such license within the Negotiation Period, Institution shall have no further obligation to Sponsor under this Agreement with regard to the specific Other Invention.

8.4. Institution shall retain a royalty-free, irrevocable license to use for its own internal noncommercial research, educational and patient care purposes, all Sponsor Inventions or Other Inventions licensed or assigned to Sponsor hereunder.

8.5. Nothing contained in this Agreement shall be deemed to grant either directly by implication, estoppel, or otherwise any license under any patents, patent applications, or other proprietary interest to any other inventions, discovery or improvement of either Sponsor or Institution.

8.6. CRO and Institution agree that the provisions of this Agreement are intended to be interpreted and implemented so as to comply with all applicable federal laws, rules, and regulations, including without limitation the requirements of Rev. Proc. 2007-47; provided, however, if it is determined by the Internal Revenue Service or any other federal agency or instrumentality (the "Government") that the provisions of this Agreement are not in such compliance, then those parties agree to modify the provisions and the implementation of this Agreement so as to be in compliance with all applicable federal laws, rules, and regulations as determined by the Government.

## 9. Publication

9.1. Institution shall be free to publish, present, or use any Data and results arising out of its performance of the Protocol (individually, a "Publication"). At least thirty (30) days prior to submission for Publication, Institution shall submit to Sponsor for review and comment any proposed oral or written Publication ("Review Period"). Institution will consider any such comments in good faith but is under no obligation to incorporate Sponsor's suggestions. The Review Period for abstracts or poster presentations shall be thirty (30) days. If during the Review Period, Sponsor notifies Institution in writing that: (i) it desires patent applications to be filed on any inventions disclosed or contained in the disclosures, Institution will defer Publication for a period not to exceed sixty (60) days, to permit Sponsor to file any desired patent applications; and (ii) if the Publication contains Sponsor's Confidential Information as defined in Section 3 and Sponsor requests Institution in writing to delete such Sponsor's Confidential Information, the Institution agrees to delete such Sponsor's Confidential Information only to the extent such deletion does not preclude the complete and

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accurate presentation and interpretation of the Study results.

9.2. The Parties agree that this Study is a multi-center clinical trial. Therefore, Institution agrees that the first Publication of the results of the Study shall be made in conjunction with the presentation of a joint multi-center Publication of the Study results with the Principal Investigators from all sites contributing Data, analyses, and comments. However, Institution may publish the Data and Study results individually in accordance with this Section 9 upon first occurrence of one of the following: (i) multi-center Publication is published; (ii) no multi-center publication is submitted within eighteen (18) months after conclusion, abandonment, or termination of the Study at all sites; or (iii) Sponsor confirms in writing there will be no multi-center Publication.

9.3. If no multi-center Publication occurs within eighteen (18) months of the completion of the Study at all sites, upon request by Institution, Sponsor will provide such Institution access to the aggregate Data from all Study sites.

9.4. If the Institution, through its Principal Investigator, is identified to participate in the multi-center Publication: (i) Institution will have the opportunity to review the aggregate multi-center Data, upon request; and (ii) consistent with the International Committee of Medical Journal Editors (ICMJE) regulations, Institution will have adequate opportunity to review and provide input on any abstract or manuscript prior to its submission for Publication. Institution also retains the right, on behalf of its Principal Investigator, to decline to be an author on any Publication.

## 10. Use of Name

10.1. Neither Institution nor CRO may use the name, trademark, logo, symbol, or other image or trade name of the other Party or their employees and agents in any advertisement, promotion, or other form of publicity or news release or that in any way implies endorsement without the prior written consent of an authorized representative of the other Party whose name is being used. Such approval will not be unreasonably withheld.

10.2. Institution and Sponsor understand that the amount of any payment made hereunder may be disclosed and made public by the other party as required by law or regulation, including the Patient Protection and Affordable Care Act of 2010, provided that the disclosure clearly designates the payment as having been made to Institution for research and not to the physician.

10.3. Institution may acknowledge the Sponsor's support, including but not limited to financial support as may be required by academic journals, professional societies, funding agencies, and applicable regulations. Notwithstanding anything to the contrary in this Agreement, Institution may publicly post information about the Study on Institution's clinical trials directory/website. Additionally, notwithstanding anything herein to the contrary, Institution shall have the right to post Sponsor's and/or CRO's names, the Study title, and the Study period, and funding amount, on Institution publicly accessible lists of research

conducted by the Institution.

## **11. Indemnification and Limitation of Liability**

11.1 Sponsor's indemnification obligations are outlined in a separate Letter of Indemnification, attached hereto as **Exhibit D**.

11.2. CRO expressly disclaims any liability in connection with the Study Drug or Study Device, including any liability for any claim arising out of a condition caused by or allegedly caused by any Study procedures associated with such product except to the extent that such liability is caused by the negligence, willful misconduct or breach of this Agreement by CRO.

11.3. Institution shall have no obligation to indemnify CRO and CRO shall have no obligation to indemnify Institution.

## **12. Subject Injury**

Sponsor's subject injury obligations are outlined in **Exhibit D**.

## **13. Insurance**

13.1. Institution shall, at its sole cost and expense maintain a policy or program of insurance or self- insurance at the level of at least \$1,000,000 per occurrence (or per claim) and \$3,000,000 annual aggregate to support its obligations assumed in this Agreement. However, if Institution is a public entity entitled to governmental immunity protections under applicable state law, then Institution may provide liability coverage in accordance with any limitations associated with the applicable law.

13.2. CRO shall maintain an insurance policy or a program of self-insurance at levels sufficient to support its obligations assumed herein.

13.3. Upon written request, either Party will provide evidence of its insurance or self-insurance acceptable to the other Party. A Party's inability to meet its insurance obligation constitutes material breach of this Agreement.

## **14. Term and Termination**

14.1. This term of this Agreement shall commence upon the Effective Date and terminate upon the completion of the Parties' Study-related activities under the Agreement, unless terminated early as further described in this Section.

14.2. CRO has the right to terminate this Agreement upon thirty (30) days prior written notice to the Institution. This Agreement may be terminated immediately at any time for any reason by the Institution or CRO when, in their judgment or that of the Principal Investigator, the Institution's IRB, Scientific Review Committee, if applicable, or the Food and Drug Administration, it is determined to be inappropriate, impractical, or inadvisable to continue, in order to protect the Study subjects' rights, welfare, and safety, or the IRB otherwise disapproves the Study. If for any reason Principal Investigator becomes unavailable to direct

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the performance of the work under this Agreement, Institution shall promptly notify CRO. If the Parties are unable to identify a mutually acceptable successor, this Agreement may be terminated by either Party upon thirty (30) days written notice.

14.3. Notwithstanding the above a Party may, in addition to any other available remedies:

- a) immediately terminate this Agreement upon the other Party's material failure to adhere to the Protocol, except for deviation required to protect the rights, safety, and welfare of Study subjects; and/or
- b) terminate this Agreement upon the other Party's material default or breach of this Agreement, provided that the defaulting/breaching Party fails to remedy such material default, breach, or failure to adhere to the Protocol within thirty (30) business days after written notice thereof.

14.4. In addition to the above, this Agreement may be terminated by Institution in the event of a material default or breach of this Agreement by CRO, or by CRO in the event of a material breach of this Agreement by Institution, provided that the defaulting/breaching party fails to remedy such material default or breach within thirty (30) business days after written notice thereof.

14.5. In the event that this Agreement is terminated prior to completion of the Study, for any reason, Institution shall:

- a) notify the IRB that the Study has been terminated;
- b) cease enrolling subjects in the Study;
- c) cease treating Study subjects under the Protocol as directed by CRO to the extent medically permissible and appropriate;
- d) terminate, as soon as practicable, all other Study activities; and
- e) furnish to CRO any required final report for the Study in the form reasonably acceptable to CRO.

Promptly following any such termination, Institution will provide to CRO copies of Data collected pursuant to the Study Protocol. Upon Sponsor's or CRO's written request, Institution shall provide to the requesting party, at Sponsor's or CRO's expense, all Sponsor's Confidential Information provided under this Agreement provided, however, that Institution may retain such copy of Confidential Information for record keeping purposes, monitoring its obligations, and exercising its rights hereunder, subject to Institution's ongoing compliance with the confidentiality and non-use obligations set forth in this Agreement.

14.6. If this Study is terminated early by either Party, the Institution shall be reimbursed for all work completed, on a pro rata basis, and reasonable costs of bringing the Study to termination incurred through the date of termination, and for non-cancelable commitments properly incurred through that date. Upon receipt of notice of termination, Institution will use reasonable efforts to reduce or eliminate further costs and expenses and will cooperate

with CRO to provide for an orderly wind-down of the Study.

14.7. Subsections 1.4, 1.6, and 14.6, and Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 (and the attached Letter of Indemnification), 12, 13, 15, 19 and 23, shall survive any termination or expiration of this Agreement, except that Section 3 shall survive for the period stated in Section 3.1. Any provision of this Agreement that by its nature and intent remains valid after termination will survive termination.

## 15. Subject Material

15.1. Subject Material means any biologic material of human origin including, without limitation, tissues, blood, plasma, urine, spinal fluid, or other fluids derived from the Study subjects in accordance with and pursuant to the Protocol ("Subject Material").

15.2. Institution agrees to make the Subject Material available to the Sponsor in accordance with the Protocol for the purposes of the Study. The Subject Material may be used by the Sponsor, central lab, or other contracted party only as allowed by the Study subject's informed consent form or pertinent institutional review board(s). Sponsor's use of Subject Materials, other than as allowed by the Study subject's informed consent form, will require additional IRB review and approval.

## 16. Subcontract

If applicable, Institution has the right to subcontract to other sites to conduct the Study in accordance with the Protocol with terms consistent with this Agreement with written approval of the Sponsor, which approval shall not be unreasonably withheld. If Institution subcontracts any Study related duties, Institution shall contract with such subcontractors incorporating terms substantially similar to the terms herein. Such subcontracts may be provided to the CRO upon written request.

The Parties acknowledge and agree that the Sponsor and each of its affiliates is a third party beneficiary to this Agreement.

## 17. Notices

Any notice, authorization, approval, consent or other communication will be in writing and deemed given:

- a. Upon delivery in person;
- b. Upon delivery by courier;
- c. Upon delivery date by a nationally-recognized overnight delivery service such as FedEx.

### If to CRO:

CTI Clinical Trial Services, Inc.  
100 East RiverCenter Boulevard  
Covington, KY 41011  
(513) 598-9290  
ATTN: Corporate Counsel  
[jmeisenhelder@ctifacts.com](mailto:jmeisenhelder@ctifacts.com)

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**If to Sponsor:**

Talaris Therapeutics, Inc.  
201 East Jefferson Street, Suite 110B  
Louisville, KY 40202  
ATTN: Nancy Krieger, Chief Medical Office  
[Nancy.Krieger@talaristx.com](mailto:Nancy.Krieger@talaristx.com)

**If to Institution:**

For Administrative Matters:

Oregon Health & Science University  
Attn: Clinical Trials Office - Contracting  
3181 SW Sam Jackson Park Road, MC: SN4N  
Portland, Oregon 97239

For Technical Matters:

Oregon Health & Science University  
Attn: Douglas Norman, MD  
2611 SW 3<sup>rd</sup>, MC: MQ360  
Portland, Oregon 97201

For Legal Matters:

Oregon Health & Science University  
Attn: Office of General Counsel  
3181 SW Sam Jackson Park Road, MC: L585  
Portland, Oregon 97239

**18. Independent Contractor**

It is mutually understood and agreed that the relationship between Institution and CRO is that of independent contractors. No party shall represent itself as the agent, employee, partner, joint venturer, or servant of the other. Except as specifically set forth herein, no party shall have nor exercise any control or direction over the methods by which the other party performs work or obligations under this Agreement. Further, nothing in this Agreement is intended to create any partnership, joint ventures, lease, or equity relationship, expressly or by implication, among those parties.

**19. Clinical Trial Registry**

Prior to enrollment of the first subject in the Study, Sponsor will register the Study on [www.clinicaltrials.gov](http://www.clinicaltrials.gov) in accordance with the requirements of the International Committee of Medical Journal Editors (ICMJE) and Public Law 110-85. Results of this Study will be reported in compliance with applicable laws.

**20. Non-Referral/Anti-Corruption Language**

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20.1. Institution and CRO, on behalf of Sponsor, agree that it is not their intent under this Agreement to induce or encourage the unlawful referral of subjects or business between the Parties, and there shall not be any requirement under this Agreement that those parties, their employees or affiliates, including their medical staff, engage in any unlawful referral of subjects to, or order or purchase products or services from, one of those parties.

20.2. Institution and CRO, on behalf of Sponsor, agree that their employees, who are involved in the conduct of the Study, will not offer, pay, request or accept any bribe, inducement, kickback or facilitation payment, and shall not make or cause another to make any offer or payment to any individual or entity for the purpose of influencing a decision for the benefit of one of those parties.

## **21. Force Majeure**

If either Party hereto shall be delayed or hindered in, or prevented from, the performance of any act required hereunder for any reason beyond such Party's direct control, including but not limited to, strike, lockouts, labor troubles, governmental or judicial actions or orders, riots, insurrections, war, acts of God, inclement weather, or other reason beyond the Party's control (a "Disability") then such Party's performance shall be excused for the period of the Disability. Any Study timelines affected by a Disability shall be extended for a period equal to the delay and any affected Budget shall be adjusted to account for cost increases or decreases resulting from the Disability. The Party affected by the Disability shall notify the other Party of such Disability as provided for herein.

## **22. Counterparts**

This Agreement may be executed in any number of counterparts, each of which shall be an original and all of which together shall constitute one and the same document, and is binding on all Parties notwithstanding that each of the Parties may have signed different counterparts. Facsimiles or scanned copies of signatures or electronic images of signatures shall be considered original signature unless prohibited by applicable law.

## **23. Debarment**

The Institution certifies that to its knowledge neither it, nor any of its employees, agents or other persons performing the Study under its direction, is currently debarred, suspended, or excluded under the Federal Food, Drug and Cosmetic Act, as amended, or disqualified under the provisions of 21 CFR §312.70. In the event that the Principal Investigator or any Study personnel becomes debarred or disqualified during the term of this Agreement or within 1 year after termination of the Study, the Institution agrees to promptly notify CRO after learning of such event. Institution certifies that it is not excluded from a federal health care program, including Medicare and Medicaid. In the event an Institution becomes excluded during the term of this Agreement or within 1 year after termination of the Study, the Institution agrees to promptly notify CRO after learning of such event.

## **24. Choice of Law -Intentionally omitted**

## **25. Entire Agreement**

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Section and clause headings are used herein solely for convenience of reference and are not intended as substantive parts of the Parties' agreement. This ACTA incorporates the Exhibits referenced herein. This written ACTA constitutes the entire agreement between the Parties concerning the subject matter, and supersedes all other or prior agreements or understandings, whether written or oral, with respect to that subject matter. Any changes made to the terms, conditions or amounts cited in this ACTA require the written approval of each Party's authorized representative.

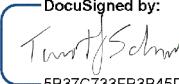
*[Signature page to follow]*

The authorized representatives of the Parties have signed this ACTA as set forth below.

**Oregon Health & Science University**

By: Kristen Baptiste Digital signature of Kristen Baptiste  
Digitally signed by Kristen Baptiste  
Date: 2020.12.18 15:57:37 -08'00'  
 Kristen Baptiste, JD  
 Manager – Clinical Trials Office,  
 Contracting  
 Date: 18DEC2020

**CTI Clinical Trial Services, Inc.**

By:   
Timothy J. Schroder 5B37C733FB3B45D...  
 CEO  
 Date: 21-Dec-2020 | 11:44:52 EST

**READ AND ACKNOWLEDGED**

Douglas J. Digital signature of Douglas J.  
Norman  
Norman  
Date: 2020.12.18 15:08:11  
-08'00'  
 By: Norman  
 Douglas Norman, MD  
 Principal Investigator

## EXHIBIT A PROTOCOL

Talaris

Protocol No. FCR001A2301



Clinical Trial Protocol FCR001A2301

**A randomized, controlled, multi-center, safety and efficacy study  
of FCR001 cell-based therapy relative to a tacrolimus and  
mycophenolate-based regimen in de novo living donor renal  
transplant recipients, and safety in FCR001 donors**  
(the FREEDOM-1 study)

Document type: Clinical Trial Protocol  
EUDRACT number: 2016-002155-22  
IND number: 16834  
Version number: V002  
Clinical trial phase: 3  
Release date: 14-APR-2019

Property of Talaris

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May not be used, divulged, published, or otherwise disclosed without the consent of Talaris.

Talaris P3 Protocol 14-APR-2019

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Exhibit 1  
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Talaris

Protocol No. FCR001A2301

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SIGNATURE PAGE

**Sponsor's Approval**

The protocol has been approved by Talaris.

**Responsible Medical Officer: Nancy Krieger, MD, Chief Medical Officer**

**Sponsor's Authorized Officer:**



14 April 2019

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Company/Sponsor signatory

---

Date

**EXHIBIT B**  
**PAYMENT SCHEDULE AND BUDGET**

- A. Within 45 days of the occurrence of all the following: (i) full execution of this Agreement, (ii) IRB approval, (iii) Study start-up and (iv) receipt of invoice, CRO will pay to the Payee identified below the one-time, non-refundable fees per attached Exhibit 3 (hereinafter "Study Budget").
- B. Thereafter, CRO or Sponsor will pay institution on a quarterly basis (within 45 days of the end of the calendar quarter) for completed study procedures according to the agreed Study Budget and according to CRFs completed. 10% of all quarterly payments will be held, and payment of the held sum will be made within 30 days of submission of all monitored CRFs with no outstanding data queries. Overhead will be paid on listed items according to the agreed budget.
- C. The following criteria must be met for the payments set forth in Section B to be made:
  - i. patients meet eligibility criteria as specified in the Protocol.
  - ii. patients treated according to the Protocol.
  - iii. required CRFs are accurately completed, monitored, and retrieved by CRO.
  - iv. Data is considered complete and acceptable by CRO.
- D. Payment for patients who have incomplete/missed visit(s), or who have not completed the Study, will be made on a prorated basis.
- E. Within 45 days of receipt of appropriate documentation and an invoice, CRO will reimburse Payee for invoiceable fees listed per the attached Exhibit 3, including all applicable IRB Fees.
- F. Other than Per Study Subject Fee milestone payments, the CRO must receive an invoice from Institution before any payment will be processed.

All invoices shall be addressed and sent to:

CTI Clinical Trial Services, Inc.  
 100 E. RiverCenter Blvd.  
 Covington, KY 41011  
 Attn: Accounts Payable  
 Email: apayable@ctifacts.com

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CRO will make all payments to the payee listed below electronically, rather than by check sent via US mail. Payments will be deposited into the account of your choice. In addition to having the money deposited electronically, Institution will also be notified of the deposit by e-mail. The e-mail will provide Institution with all the information that would normally be on your check stub. To receive payments electronically, Institution must complete the information below. A completed W-9 is required of payee before any payment may be made. Please send the completed signed W-9 to [apayable@ctifacts.com](mailto:apayable@ctifacts.com) Any change in the payee or payee information below should be documented by Institution and forwarded to CRO as notice per Section 17.

<b>Payee Information</b>		
Payee Name:	OHSU	Protocol# FCR001A2301 PI Name: Douglas Norman, MD
Payee Remit to Address:	Institution/Division/Dept.: Office of Proposal & Award Management	
	Street Address: PO Box 3003	
	City, State, Zip: Portland, OR 97208-3003	
Tax ID#:	93-1176109	

<b>Bank Information</b>	
Bank Name:	US Bank
Name on Account:	OHSU General Account
Account Type:	Checking
Account Number:	153910681219
ABA or Routing Transit Number for ACH:	123000848

Payment Notification E-mail Address:	spacash@ohsu.edu
Payee Contact Phone Number:	503-494-0317
Name(s): <i>Please print</i>	Elizabeth B. Williams

<b>SITE FEES - STARTUP (INCLUDING OH WHERE APPLICABLE)</b>	
Administrative Startup	\$13,965.00
Operational Startup	\$10,000.00
Cell Therapy Lab Director Fee	\$1,330.00
Cell Therapy Lab Facility Fee	\$665.00
Cell Therapy Lab Fee for Training (for full team)	\$1,330.00
IRB Initial Review	\$3,000.00
Pharmacy Startup Fee	\$1,000.00
CTRC Administrative Fee	\$798.00
CTRC Nursing Startup Fee	\$798.00
CTRC Core Lab Startup Fee	\$532.00

<b>INVOICEABLE SITE FEES (INCLUDING OH WHERE APPLICABLE)</b>	
Cell Therapy Lab Chain-of-Custody, per patient	\$200.00
LN2 Storage Fee, per month, per patient	\$133.00
IND Reports	\$66.50
IRB Continuing Review Administrative Fee	\$931.00
IRB Modification Administrative Fee	\$665.00
IRB Continuing Review Fee (Full Board IRB Continuing Review)	\$2,200.00
IRB Annual Maintenance Fee (Non-full Board IRB Continuing Review)	\$1,700.00
Pharmacy monthly maintenance Fee	\$266.00
Pharmacy monthly maintenance Fee (ea. additional drug)	\$66.50
Site FDA/Sponsor Audit Fee (for Not-for-cause audits)	\$1,995.00
Site Specific SAE Report, per report	\$266.00
Budget Amendment Fee (for sponsor-initiated budget amendments)	\$665.00
Sponsor required Conference Calls/Webinars - Investigator or Sub-Investigator Fee	\$207.50 (Covers 0.5 hour of PI and study coordinator time plus OH)

<b>CLOSE-OUT FEES (INCLUDING OH WHERE APPLICABLE)</b>	
Pharmacy Close-out Fee	\$332.50
Study Close-out Fee	\$2,000.00
Document Archiving Fee	\$500.00

<b>PATIENT TOTALS</b>	
FCR-R	\$167,377.84
FCR-D	\$21,530.04
CTR-R	\$33,750.08
CTR-D	\$1,457.68

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RECIPIENT FCR-R

Month	Performance Metrics & Key Indicators												Compliance & Risk Assessment												
	Key Indicator	Value	Target	Variance	Score	Key Indicator	Value	Target	Variance	Score	Key Indicator	Value	Target	Variance	Score	Key Indicator	Value	Target	Variance	Score	Key Indicator	Value	Target	Variance	Score
Month 1	Revenue Growth (%)	15.2	18.0	-2.8	75	Customer Acquisition Cost	\$120	\$110	\$10	75	Delivery Lead Time (days)	3.5	4.0	-0.5	75	Regulatory Compliance	95%	98%	-3%	75	Supplier Delays	0.8	1.0	-0.2	75
Month 2	Revenue Growth (%)	16.5	18.0	-1.5	80	Customer Acquisition Cost	\$115	\$110	\$5	80	Delivery Lead Time (days)	3.2	4.0	-0.8	80	Regulatory Compliance	96%	98%	-2%	80	Supplier Delays	0.7	1.0	-0.3	80
Month 3	Revenue Growth (%)	17.8	18.0	-0.2	85	Customer Acquisition Cost	\$110	\$110	\$0	85	Delivery Lead Time (days)	3.0	4.0	-1.0	85	Regulatory Compliance	97%	98%	-1%	85	Supplier Delays	0.6	1.0	-0.4	85
Month 4	Revenue Growth (%)	19.0	18.0	+1.0	90	Customer Acquisition Cost	\$105	\$110	-\$5	90	Delivery Lead Time (days)	2.8	4.0	-1.2	90	Regulatory Compliance	98%	98%	0%	90	Supplier Delays	0.5	1.0	-0.5	90
Month 5	Revenue Growth (%)	20.2	18.0	+2.2	95	Customer Acquisition Cost	\$100	\$110	-\$10	95	Delivery Lead Time (days)	2.6	4.0	-1.4	95	Regulatory Compliance	99%	98%	-1%	95	Supplier Delays	0.4	1.0	-0.6	95
Month 6	Revenue Growth (%)	21.5	18.0	+3.5	100	Customer Acquisition Cost	\$95	\$110	-\$15	100	Delivery Lead Time (days)	2.4	4.0	-1.6	100	Regulatory Compliance	100%	98%	-2%	100	Supplier Delays	0.3	1.0	-0.7	100
Month 7	Revenue Growth (%)	22.8	18.0	+4.8	105	Customer Acquisition Cost	\$90	\$110	-\$20	105	Delivery Lead Time (days)	2.2	4.0	-1.8	105	Regulatory Compliance	100%	98%	-2%	105	Supplier Delays	0.2	1.0	-0.8	105
Month 8	Revenue Growth (%)	24.0	18.0	+6.0	110	Customer Acquisition Cost	\$85	\$110	-\$25	110	Delivery Lead Time (days)	2.0	4.0	-2.0	110	Regulatory Compliance	100%	98%	-2%	110	Supplier Delays	0.1	1.0	-0.9	110
Month 9	Revenue Growth (%)	25.2	18.0	+7.2	115	Customer Acquisition Cost	\$80	\$110	-\$30	115	Delivery Lead Time (days)	1.8	4.0	-2.2	115	Regulatory Compliance	100%	98%	-2%	115	Supplier Delays	0.0	1.0	-1.0	115
Month 10	Revenue Growth (%)	26.5	18.0	+8.5	120	Customer Acquisition Cost	\$75	\$110	-\$35	120	Delivery Lead Time (days)	1.6	4.0	-2.4	120	Regulatory Compliance	100%	98%	-2%	120	Supplier Delays	-0.1	1.0	-1.1	120
Month 11	Revenue Growth (%)	27.8	18.0	+9.8	125	Customer Acquisition Cost	\$70	\$110	-\$40	125	Delivery Lead Time (days)	1.4	4.0	-2.6	125	Regulatory Compliance	100%	98%	-2%	125	Supplier Delays	-0.2	1.0	-1.2	125
Month 12	Revenue Growth (%)	29.0	18.0	+11.0	130	Customer Acquisition Cost	\$65	\$110	-\$45	130	Delivery Lead Time (days)	1.2	4.0	-2.8	130	Regulatory Compliance	100%	98%	-2%	130	Supplier Delays	-0.3	1.0	-1.3	130
Month 13	Revenue Growth (%)	30.2	18.0	+12.2	135	Customer Acquisition Cost	\$60	\$110	-\$50	135	Delivery Lead Time (days)	1.0	4.0	-3.0	135	Regulatory Compliance	100%	98%	-2%	135	Supplier Delays	-0.4	1.0	-1.4	135
Month 14	Revenue Growth (%)	31.5	18.0	+13.5	140	Customer Acquisition Cost	\$55	\$110	-\$55	140	Delivery Lead Time (days)	0.8	4.0	-3.2	140	Regulatory Compliance	100%	98%	-2%	140	Supplier Delays	-0.5	1.0	-1.5	140
Month 15	Revenue Growth (%)	32.8	18.0	+14.8	145	Customer Acquisition Cost	\$50	\$110	-\$60	145	Delivery Lead Time (days)	0.6	4.0	-3.4	145	Regulatory Compliance	100%	98%	-2%	145	Supplier Delays	-0.6	1.0	-1.6	145
Month 16	Revenue Growth (%)	34.0	18.0	+16.0	150	Customer Acquisition Cost	\$45	\$110	-\$65	150	Delivery Lead Time (days)	0.4	4.0	-3.6	150	Regulatory Compliance	100%	98%	-2%	150	Supplier Delays	-0.7	1.0	-1.7	150
Month 17	Revenue Growth (%)	35.2	18.0	+17.2	155	Customer Acquisition Cost	\$40	\$110	-\$70	155	Delivery Lead Time (days)	0.2	4.0	-3.8	155	Regulatory Compliance	100%	98%	-2%	155	Supplier Delays	-0.8	1.0	-1.8	155
Month 18	Revenue Growth (%)	36.5	18.0	+18.5	160	Customer Acquisition Cost	\$35	\$110	-\$75	160	Delivery Lead Time (days)	0.0	4.0	-4.0	160	Regulatory Compliance	100%	98%	-2%	160	Supplier Delays	-0.9	1.0	-1.9	160
Month 19	Revenue Growth (%)	37.8	18.0	+19.8	165	Customer Acquisition Cost	\$30	\$110	-\$80	165	Delivery Lead Time (days)	-0.2	4.0	-4.2	165	Regulatory Compliance	100%	98%	-2%	165	Supplier Delays	-1.0	1.0	-2.0	165
Month 20	Revenue Growth (%)	39.0	18.0	+21.0	170	Customer Acquisition Cost	\$25	\$110	-\$85	170	Delivery Lead Time (days)	-0.4	4.0	-4.4	170	Regulatory Compliance	100%	98%	-2%	170	Supplier Delays	-1.1	1.0	-2.1	170
Month 21	Revenue Growth (%)	40.2	18.0	+22.2	175	Customer Acquisition Cost	\$20	\$110	-\$90	175	Delivery Lead Time (days)	-0.6	4.0	-4.6	175	Regulatory Compliance	100%	98%	-2%	175	Supplier Delays	-1.2	1.0	-2.2	175
Month 22	Revenue Growth (%)	41.5	18.0	+23.5	180	Customer Acquisition Cost	\$15	\$110	-\$95	180	Delivery Lead Time (days)	-0.8	4.0	-4.8	180	Regulatory Compliance	100%	98%	-2%	180	Supplier Delays	-1.3	1.0	-2.3	180
Month 23	Revenue Growth (%)	42.8	18.0	+24.8	185	Customer Acquisition Cost	\$10	\$110	-\$100	185	Delivery Lead Time (days)	-1.0	4.0	-5.0	185	Regulatory Compliance	100%	98%	-2%	185	Supplier Delays	-1.4	1.0	-2.4	185
Month 24	Revenue Growth (%)	44.0	18.0	+26.0	190	Customer Acquisition Cost	\$5	\$110	-\$105	190	Delivery Lead Time (days)	-1.2	4.0	-5.2	190	Regulatory Compliance	100%	98%	-2%	190	Supplier Delays	-1.5	1.0	-2.5	190
Month 25	Revenue Growth (%)	45.2	18.0	+27.2	195	Customer Acquisition Cost	\$0	\$110	-\$110	195	Delivery Lead Time (days)	-1.4	4.0	-5.4	195	Regulatory Compliance	100%	98%	-2%	195	Supplier Delays	-1.6	1.0	-2.6	195
Month 26	Revenue Growth (%)	46.5	18.0	+28.5	200	Customer Acquisition Cost	-5	\$110	-\$115	200	Delivery Lead Time (days)	-1.6	4.0	-5.6	200	Regulatory Compliance	100%	98%	-2%	200	Supplier Delays	-1.7	1.0	-2.7	200
Month 27	Revenue Growth (%)	47.8	18.0	+29.8	205	Customer Acquisition Cost	-10	\$110	-\$120	205	Delivery Lead Time (days)	-1.8	4.0	-5.8	205	Regulatory Compliance	100%	98%	-2%	205	Supplier Delays	-1.8	1.0	-2.8	205
Month 28	Revenue Growth (%)	49.0	18.0	+31.0	210	Customer Acquisition Cost	-15	\$110	-\$125	210	Delivery Lead Time (days)	-2.0	4.0	-6.0	210	Regulatory Compliance	100%	98%	-2%	210	Supplier Delays	-1.9	1.0	-2.9	210
Month 29	Revenue Growth (%)	50.2	18.0	+32.2	215	Customer Acquisition Cost	-20	\$110	-\$130	215	Delivery Lead Time (days)	-2.2	4.0	-6.2	215	Regulatory Compliance	100%	98%	-2%	215	Supplier Delays	-2.0	1.0	-3.0	215
Month 30	Revenue Growth (%)	51.5	18.0	+33.5	220	Customer Acquisition Cost	-25	\$110	-\$135	220	Delivery Lead Time (days)	-2.4	4.0	-6.4	220	Regulatory Compliance	100%	98%	-2%	220	Supplier Delays	-2.1	1.0	-3.1	220
Month 31	Revenue Growth (%)	52.8	18.0	+34.8	225	Customer Acquisition Cost	-30	\$110	-\$140	225	Delivery Lead Time (days)	-2.6	4.0	-6.6	225	Regulatory Compliance	100%	98%	-2%	225	Supplier Delays	-2.2	1.0	-3.2	225
Month 32	Revenue Growth (%)	54.0	18.0	+36.0	230	Customer Acquisition Cost	-35	\$110	-\$145	230	Delivery Lead Time (days)	-2.8	4.0	-6.8	230	Regulatory Compliance	100%	98%	-2%	230	Supplier Delays	-2.3	1.0	-3.3	230
Month 33	Revenue Growth (%)	55.2	18.0	+37.2	235	Customer Acquisition Cost	-40	\$110	-\$150	235	Delivery Lead Time (days)	-3.0	4.0	-7.0	235	Regulatory Compliance	100%	98%	-2%	235	Supplier Delays	-2.4	1.0	-3.4	235
Month 34	Revenue Growth (%)	56.5	18.0	+38.5	240	Customer Acquisition Cost	-45	\$110	-\$155	240	Delivery Lead Time (days)	-3.2	4.0	-7.2	240	Regulatory Compliance	100%	98%	-2%	240	Supplier Delays	-2.5	1.0	-3.5	240
Month 35	Revenue Growth (%)	57.8	18.0	+39.8	245	Customer Acquisition Cost	-50	\$110	-\$160	245	Delivery Lead Time (days)	-3.4	4.0	-7.4	245	Regulatory Compliance	100%	98%	-2%	245	Supplier Delays	-2.6	1.0	-3.6	245
Month 36	Revenue Growth (%)	59.0	18.0	+41.0	250	Customer Acquisition Cost	-55	\$110	-\$165	250	Delivery Lead Time (days)	-3.6	4.0	-7.6	250	Regulatory Compliance	100%	98%	-2%	250	Supplier Delays	-2.7	1.0	-3.7	250
Month 37	Revenue Growth (%)	60.2	18.0	+42.2	255	Customer Acquisition Cost	-60	\$110	-\$170	255	Delivery Lead Time (days)	-3.8	4.0	-7.8	255	Regulatory Compliance	100%	98%	-2%	255	Supplier Delays	-2.8	1.0	-3.8	255
Month 38	Revenue Growth (%)	61.5	18.0	+43.5	260	Customer Acquisition Cost	-65	\$110	-\$175	260	Delivery Lead Time (days)	-4.0	4.0	-8.0	260	Regulatory Compliance	100%	98%	-2%	260	Supplier Delays	-2.9	1.0	-3.9	260
Month 39	Revenue Growth (%)	62.8	18.0	+44.8	265	Customer Acquisition Cost	-70	\$110	-\$180	265	Delivery Lead Time (days)	-4.2	4.0	-8.2	265	Regulatory Compliance	100%	98%	-2%	265	Supplier Delays	-3.0	1.0	-4.0	265
Month 40	Revenue Growth (%)	64.0	18.0	+46.0	270	Customer Acquisition Cost	-75	\$110	-\$185	270	Delivery Lead Time (days)	-4.4	4.0	-8.4	270	Regulatory Compliance	100%	98%	-2%	270	Supplier Delays	-3.1	1.0	-4.1	270
Month 41	Revenue Growth (%)	65.2	18.0	+47.2	275	Customer Acquisition Cost	-80	\$110	-\$190	275	Delivery Lead Time (days)	-4.6	4.0	-8.6	275	Regulatory Compliance	100%	98%	-2%	275	Supplier Delays	-3.2	1.0	-4.2	275
Month 42	Revenue Growth (%)	66.5	18.0	+48.5	280	Customer Acquisition Cost	-85	\$110	-\$195	280	Delivery Lead Time (days)	-4.8	4.0	-8.8	280	Regulatory Compliance	100%	98%	-2%	280	Supplier Delays	-3.3	1.0	-4.3	280
Month 43	Revenue Growth (%)	67.8	18.0	+49.8	285	Customer Acquisition Cost	-90	\$110	-\$200	285	Delivery Lead Time (days)	-5.0	4.0	-9.0	285	Regulatory Compliance	100%	98%	-2%	285	Supplier Delays	-3.4	1.0	-4.4	285
Month 44	Revenue Growth (%)	69.0	18.0	+51.0	290	Customer Acquisition Cost	-95	\$110	-\$205	290	Delivery Lead Time (days)	-5.2	4.0	-9.2	290	Regulatory Compliance	100%	98%	-2%	290	Supplier Delays	-3.5	1.0	-4.5	290
Month 45	Revenue Growth (%)	70.2	18.0	+52.2	295	Customer Acquisition Cost	-100	\$110	-\$210	295	Delivery Lead Time (days)	-5.4	4.0	-9.4	295	Regulatory Compliance	100%	98%	-2%	295	Supplier Delays	-3.6	1.0	-4.6	295
Month 46	Revenue Growth (%)	71.5	18.0	+53.5	300	Customer Acquisition Cost	-105	\$110	-\$215	300	Delivery Lead Time (days)	-5.6	4.0	-9.6	300	Regulatory Compliance	100%	98%	-2%	300	Supplier Delays	-3.7	1.0	-4.7	300
Month 47	Revenue Growth (%)	72.8	18.0	+54.8	305	Customer Acquisition Cost	-110	\$110	-\$220	305	Delivery Lead Time (days)	-5.8	4.0	-9.8	305	Regulatory Compliance	100%	98%	-2%	305	Supplier Delays	-3.8	1.0	-4.8	305
Month 48	Revenue Growth (%)	74.0	18.0	+56.0	310	Customer Acquisition Cost	-115	\$110	-\$225	310	Delivery Lead Time (days)	-6.0	4.0	-10.0	310	Regulatory Compliance	100%	98%	-2%	310	Supplier Delays	-3.9	1.0	-4.9	310
Month 49	Revenue Growth (%)	75.2	18.0	+57.2	315	Customer Acquisition Cost	-120	\$110	-\$230	315	Delivery Lead Time (days)	-6.2	4.0	-10.2	315	Regulatory Compliance	100%	98%	-2%	315	Supplier Delays	-4.0	1.0	-5.0	315
Month 50	Revenue Growth (%)	76.5	18.0	+58.5	320	Customer Acquisition Cost	-125	\$110	-\$235	320	Delivery Lead Time (days)	-6.4	4.0	-10.4	320	Regulatory Compliance	100%	98%	-2%	320	Supplier Delays	-4.1	1.0	-5.1	320
Month 51	Revenue Growth (%)	77.8	18.0	+59.8	325	Customer Acquisition Cost	-130	\$110	-\$240	325	Delivery Lead Time (days)	-6.6	4.0	-10.6	325	Regulatory Compliance	100%	98%	-2%	325	Supplier Delays	-4.2	1.0	-5.2	325
Month 52	Revenue Growth (%)	79.0	18.0	+61.0	330	Customer Acquisition Cost	-135	\$110	-\$245	330	Delivery Lead Time (days)	-6.8	4.0	-10.8	330	Regulatory Compliance	100%	98%	-2%	330	Supplier Delays	-4.3	1.0	-5.3	330
Month 53	Revenue Growth (%)	80.2	18.0	+62.2	335	Customer Acquisition Cost	-140	\$110	-\$250	335	Delivery Lead Time (days)	-7.0	4.0	-11.0	335	Regulatory Compliance	100%	98%	-2%	335	Supplier Delays	-4.4	1.0	-5.4	335
Month 54	Revenue Growth (%)	81.5	18.0	+63.5	340	Customer Acquisition Cost	-145	\$110	-\$255	340	Delivery Lead Time (days)	-7.2	4.0	-11.2	340	Regulatory Compliance	100%	98%	-2%	340	Supplier Delays	-4.5	1.0	-5.5	34

**Supportive care visits will occur 2x per week following discharge from hospital up to 90 days post discharge.** Sponsor will be invoiced per visit. Some visits may overlap with protocol / required visits.  
**Kidney transplant patients on average spend 7 days in hospital post-transplant. BMT patients spend on average 12-22 days in the hospital post-transplant. The extended hospital day beyond 7 days**

Visions beyond the CUR

CTA October 15, 2014; CBO August 10, 2015 - Revised 2/19/16 and 10/2/16

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Exhibit 1  
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<b>Invoicable Patient Costs</b>	<b>Cost</b>	<b>Cost with OH</b>
Chest X-ray	\$275	365.75
IJ Line Placement	\$3,122	4,152.26
Serum Pregnancy Test (local)	\$77	102.41
Urine Pregnancy Test (local)	\$25	33.25
Hospital Overnight Charge, per day	\$2,040	2,713.20
BMT Evaluation - Initial	\$584	776.72
Radiation Oncology Evaluation - Initial	\$584	776.72
BMT Supportive Care Visits Post Discharge <sup>a</sup>	\$872	1,159.76
BMT Supportive Care Infusions Post Discharge:		
Infusion (Initial Hour)	\$573	762.09
Infusion (Additional Hour, each)	\$195	259.35
Potassium oral or infusion, magnesium, RBCs, platelets, fluids as needed + pre-meds, as needed	at cost plus OH	at cost plus OH
Pulmonary Function Tests (Spirometry & DLCO) (Required for Local BMT Workup)	\$220	292.60

CMV TESTING	Unit Cost	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8/ Month 2	Week 9	Week 10	Week 11	Week 12/ Month 3	Week 13
CMV Monitoring (Local)	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00
Institutional Overhead (28%) - OHSU	28.00%	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64
Divisional Assessment (5%) - Nephrology OH	5.00%	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40
<b>Total</b>		<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>							

BK TESTING	Unit Cost	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8/ Month 2	Week 9	Week 10	Week 11	Week 12/ Month 3	Week 13
BK Monitoring (Local)	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only
Institutional Overhead (28%) - OHSU	28.00%	CMV Only	\$95.76	CMV Only	\$95.76	CMV Only	\$95.76	CMV Only						
Divisional Assessment (5%) - Nephrology OH	5.00%	CMV Only	\$17.10	CMV Only	\$17.10	CMV Only	\$17.10	CMV Only						
<b>Total</b>		<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>

Week 14	Week 15	Week 16/ Month 4	Week 17	Week 18	Week 19	Week 20/ Month 5	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26/ Month 6	Week 28
\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00
\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64
\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40
<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>

Week 14	Week 15	Week 16 Month 4	Week 17	Week 18	Week 19	Week 20/ Month 5	Week 21	Week 22	Week 23	Week 24	Week 25	Week 26/ Month 6	Week 28
\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	\$342.00	CMV Only	CMV Only	CMV Only	\$342.00	CMV Only
\$95.76	CMV Only	\$95.76	CMV Only	\$95.76	CMV Only	\$95.76	CMV Only	\$95.76	CMV Only	CMV Only	CMV Only	\$95.76	CMV Only
\$17.10	CMV Only	\$17.10	CMV Only	\$17.10	CMV Only	\$17.10	CMV Only	\$17.10	CMV Only	CMV Only	CMV Only	\$17.10	CMV Only
<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>

Week 30/ Month 7	Week 32	Week 34/ Month 8	Week 36	Week 38	Week 39/ Month 9	Week 40	Week 42	Week 43/ Month 10	Week 44	Week 46	Week 48/ Month 11	Week 50	Week 52/ Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19
\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	\$188.00	BK Only	BK Only	BK Only	BK Only	\$188.00	\$188.00	BK Only	BK Only
\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	\$52.64	BK Only	BK Only	\$52.64	BK Only	\$52.64	\$52.64	\$52.64	BK Only
\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	\$9.40	BK Only	BK Only	\$9.40	BK Only	\$9.40	\$9.40	\$9.40	BK Only
<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>	<b>\$250.04</b>

Week 30/ Month 7	Week 32	Week 34/ Month 8	Week 36	Week 38	Week 39/ Month 9	Week 40	Week 42	Week 43/ Month 10	Week 44	Week 46	Week 48/ Month 11	Week 50	Week 52/ Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19
\$342.00	CMV Only	\$342.00	CMV Only	CMV Only	\$342.00	CMV Only	CMV Only	\$342.00	CMV Only	CMV Only	CMV Only	\$342.00	CMV Only	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00
\$95.76	CMV Only	\$95.76	CMV Only	CMV Only	\$95.76	CMV Only	CMV Only	\$95.76	CMV Only	CMV Only	CMV Only	\$95.76	CMV Only	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76
\$17.10	CMV Only	\$17.10	CMV Only	CMV Only	\$17.10	CMV Only	CMV Only	\$17.10	CMV Only	CMV Only	CMV Only	\$17.10	CMV Only	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10
<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$0.00</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>	<b>\$454.86</b>

Month 20	Month 21	Month 22	Month 23	Month 24	Month 27	Month 30	Month 33	Month 36	Month 39	Month 42	Month 45	Month 48	Month 51	Month 54	Month 57	Month 60	TOTAL
BK Only	\$188.00	BK Only	BK Only	\$188.00	\$9,400.00												
BK Only	\$52.64	BK Only	BK Only	\$52.64	\$2,632.00												
BK Only	\$9.40	BK Only	BK Only	\$9.40	\$47.00												
<b>\$0.00</b>	<b>\$250.04</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$250.04</b>	<b>\$12,502.00</b>												

Month 20	Month 21	Month 22	Month 23	Month 24	Month 27	Month 30	Month 33	Month 36	Month 39	Month 42	Month 45	Month 48	Month 51	Month 54	Month 57	Month 60	TOTAL
\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$342.00	\$14,364.00
\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$95.76	\$4,021.92
\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$17.10	\$718.20
<b>\$454.86</b>	<b>\$19,104.12</b>																

**RECIPIENT CTR-R**

STUDY / EVALUATIONS	Unit Cost	Screening	Day 0-TX		Day 1		Week 1		Week 2		Month 2		Month 3		Month 6		Month 9		Month 12		Month 18		Month 24		Month 30		Month 36		Month 42		Month 48		Month 54		Month 60	
			Day 0	TX	Day 1		Week 1		Week 2		Month 2		Month 3		Month 6		Month 9		Month 12		Month 18		Month 24		Month 30		Month 36		Month 42		Month 48		Month 54		Month 60	
Medical History/Demographics		x																																		
Informed Consent	x	x																																		
Incision/Excision	x	x																																		
Physical Exam (Initial - Nephrology)	\$448	\$448																																		
Physical Exam Follow-up - Nephrology	\$228																																			
Vital Signs (performed by study RN)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	\$228						
ECG	\$150	\$150																																\$150		
Serum Pregnancy Test (local)	\$77	Invoice																																		
Urine Pregnancy Test (local)	\$25	Invoice																																		
Venipuncture (performed by study RN)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
Central Lab:	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
Safety Labs																																				
Cytokine Panel																																				
Immuno(globulins)																																				
Central DSA																																				
HAMA Sample																																				
T/B Cell Repertoire/Phenotyping																																				
Vaccine Antibody Titers																																				
Urinary Biomarkers																																				

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Exhibit 1  
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Invoiceable Patient Costs		Cost												Cost w/OH											
		Serum Pregnancy Test (local)						\$77						\$102.41											
		Urine Pregnancy Test (local)						\$25						\$33.25											

BK TESTI NG	Un it Co st	We ek 2	We ek 4	We ek 6	We ek 8	We ek 10	We ek 12	We ek 14	We ek 16	We ek 18	We ek 20	We ek 22	We ek 24	We ek 26	We ek 28	We ek 30	We ek 32	We ek 34	We ek 36	We ek 38	We ek 40	We ek 42	We ek 44	We ek 46	We ek 48	We ek 50	We ek 52	We ek 54	We ek 56	We ek 58	We ek 60	
BK Monitoring (Local )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Overhead	S C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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				DONOR FCR-D		Mobilization & Apheresis						Transplant & Post Transplant					
STUDY PROCEDURES / EVALUATIONS		Unit Cost	Screening	BMT Screening (within 30 days of transplant - to be Invoiced)						Day 1	Day 2	Day 3	Day 4	Day 5	Do-TX	Month 6	Month 12
Medical History/Demographics			X														
Informed Consent		X	X														
Inclusion/Exclusion		X	X														
Physical Exam (Initial - Nephrology)		\$448															
Physical Exam Follow-up - Nephrology)		\$228															
BMT Evaluation - Initial		Invoice															
Vital Signs (performed by study RN)		X	X														
ECG		\$150															
Chest X-ray		\$275															
Venipuncture (performed by study RN)		X	X					X									
Blood collection from VAD		\$293															
Central Lab			X					X									
Safety Labs																	
Immunoglobulins																	
T/B cell repertoire/phenotyping																	
Blood biomarkers																	
Anti-recipient HLA antibody																	
Vaccine antibody titers																	
Donor Chimerism																	
Central Lab Processing & Shipping		\$68															
Local Lab																	
Serum Pregnancy		\$77															
Viral Serology (HIV, Hep A, B, C, CMV, Infectious Disease Panel, EBV Panel)		\$2,208															

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<i>Safety Labs (CBC w/diff, comprehensive metabolic set, uric acid, phosphorus, LDH, direct bilirubin, lipid panel)</i>	\$438		\$438					
<i>aPPT &amp; INR</i>	\$70		\$70					
<b>Donor Blood and HLA typing</b>	\$875	SOC/Invoice						
<b>CD34 count and product</b>	\$310		\$310		\$310	\$620		
<b>Fibrinogen Level Quantitative</b>	\$25				\$25			
<i>aPPT &amp; INR</i>	\$70		\$70					
<b>Mobilization/Apheresis Medications</b>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	
<b>Apheresis</b>	\$4,870					\$4,870		
<b>Cellular Lab Fees</b>	\$1,260					\$1,260		
<b>U Line Placement</b>	\$3,122	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	
<b>Kidney Transplant Procedure</b>	SOC					SOC		
<b>Filgrastim</b>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	
<b>Filgrastim Administration (sub-cutaneous injection)</b>	\$135		\$270	\$270	\$270	\$135		
<b>Plerixafor</b>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	<i>Invoice</i>	
<b>Plerixafor Sub-cutaneous injection</b>	\$135							
<b>Adverse Events</b>								
<b>Concomitant Medications</b>								
<b>PI Oversight</b>	\$250	\$250	\$125	\$125	\$125	\$250	\$250	\$250
<b>Data Entry Fee</b>	\$120	\$180	\$120	\$120	\$60	\$60	\$120	\$120
<b>Visit Subtotal</b>	<b>\$1,096</b>	<b>\$2,961</b>	<b>\$963</b>	<b>\$455</b>	<b>\$455</b>	<b>\$7,548</b>	<b>\$588</b>	<b>\$666</b>
<b>Institutional Overhead (28%)</b>								
<b>Divisional Assessment (5%)</b>								
<b>Visit Total</b>	<b>1,457.68</b>	<b>3,938.13</b>	<b>1,280.79</b>	<b>605.15</b>	<b>605.15</b>	<b>1,050.70</b>	<b>10,038.84</b>	<b>782.04</b>
<b>TOTAL PER PATIENT</b>	<b>21,530.04</b>							
<b>Invoicable Patient Costs</b>								
<b>Cost</b>								
<b>Chest X-ray</b>	\$275		\$365.75					
<b>Plerixafor Sub-cutaneous injection</b>	\$135		\$179.55					
<b>Serum Pregnancy</b>	\$77		\$102.41					
<b>U Line Patient</b>	\$3,122		\$4,152.26					

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**DONOR CTR-D (Screening Only)**

STUDY PROCEDURES / EVALUATIONS	Unit Cost	Screening
Medical History/Demographics		X
Informed Consent	X	X
Inclusion/Exclusion	X	X
Physical Exam (Initial - Nephrology)	\$448	\$448
Vital Signs (performed by study RN)		
ECG	\$150	\$150
Venipuncture (performed by study RN)	X	X
Central Lab		X
Safety Labs		
Immunglobulins		
T/B cell repertoire/phenotyping		
Blood biomarkers		
Anti-recipient HLA antibody		
Vaccine antibody titers		
Donor Chimerism		
Central Lab Processing & Shipping	\$68	\$68
Local Lab		
Serum Pregnancy	\$77	Invoice
Blood Group & HLA Typing	\$875	SO/C/Invoice
Adverse Events		
Concomitant Medications		
PI Oversight	\$250	\$250
Data Entry Fee	\$120	\$180
Visit Subtotal		\$1,096
Institutional Overhead (28%)		\$307
Divisional Assessment (5%)		\$55
Visit Total		\$1,458
<b>TOTAL PER PATIENT</b>	<b>\$1,458</b>	
<b>Invoicable Patient Costs</b>	<b>Cost</b>	<b>Cost w/OH</b>
Serum Pregnancy Test (local)	\$77	\$102.41

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							<b>Infectious disease marker panel (required per FACT for apheresis):</b>	<b>Cost</b>	
<b>Blood Typing</b>							80001895-HB-LAB TOXOPLASMOSIS IGG AB	70	
86901: HB-LAB RH (D) TYPE	\$34						80001509-HB-LAB EARLY AG	92	EBV panel
86850: HB LAB ANTIBODY SCREEN	\$44						80001510-HB-LAB NUCLEAR AG	92	EBV panel
86900: HB-LAB BLOOD GROUP, ABO	\$49						80001511-HB-LAB VCA IGG	100	EBV panel
86832: HB-LAB FLOW HLA I AB ANTIGEN ID	\$373						80001512-HB-LAB VCA IGM	100	EBV panel
86833: HB FLOW HLA CLASS II AB ANTIGEN D HIGH DEF QUAL	\$375						80001521-HB-LAB HSV ANTIBODY	170	
<b>Total:</b>	<b>\$875</b>						80002664-HB-LAB CMV	118	
							80002881-HB-LAB T CRUZI (CHAGAS DISEASE SCREEN)	75	
<b>Apheresis</b>			<b>Apheresis - Invoice as needed on day of apheresis collection. OH will be applied to invoice items.</b>				80002665-HB-LAB ANTI-HTLV I (CONF IF IND)	88	IDM panel
38205: HB STEM CELL HARVST, ALLOGENEIC	\$2,591		<b>Cost</b>	<b>Cost w/OH</b>			80002666-HB-LAB ANTI-HTLV II (CONF IF IND)	97	IDM panel
36511: HB THER APHER - WBC	\$1,901	80053: HB-LAB COMP METABRIC SET	\$63.00	\$83.79			80002671-HB-LAB ANTI HEP-B CORE ANTIBODY	84	IDM panel
99213: HB FAC VISIT LEV 3	\$293	82310: HB-LAB CALCIUM PLASMA	\$22.00	\$29.26			80002673-HB-LAB ANTIHEP-CAB (CONF IF IND)	114	IDM panel
85025: HB-LAB CBC W/AUTO DIFF	\$85	83735: HB-LAB MAGNESIUM PLASMA	\$31.00	\$41.23			80002678-HB-LAB ANTI-HIV I (CONF IF IND)	103	IDM panel
<b>Total:</b>	<b>\$4,870</b>	85007: HBOL CBC W/PLT W/AUTO DIFF	\$81.00	\$107.73			80002675-HB-LAB STS (CONF IF IND)	90	IDM panel
		96365: HB INFUSION INITIAL HR	\$573.00	\$762.09			80002838-HB-LAB WNV NAT	229	IDM panel
		96366: HB INFUSION EA ADD HR	\$195.00	\$259.35			80002839-HB-LAB HIV-1 NAT	169	IDM panel
		Filgrastim	\$329.00	\$437.57 <i>300mg injection</i>			80002840-HB-LAB HCV-NAT	241	IDM panel
		Plerixafor 20mg/ml SDPF	\$8,425.76	\$11,206.26 <i>per vial</i>			80002676-HB-LAB HEP B SURFACE ANTIGEN	73	IDM panel
		Tylenol 325mg tab PRN, per pill	\$0.24	\$0.32 <i>per pill</i>			86787 HB-LAB-VARICELLA ZOSTER	103	
		Calcium carbonate, 2 tabs PRN	\$2.05	\$2.73 <i>per bottle of 150</i>			<b>Total IDM panel:</b>	<b>2208</b>	
		Ativan oral 0.5mg tab	\$0.48	\$0.64 <i>per tab</i>					
		Oxycodone oral 5 mg tab	\$4.30	\$5.72 <i>per tab</i>					
		Ondansetron	\$2.80	\$3.72 <i>per tab</i>					
<b>Cellular Therapy Lab</b>									
38215: HB-LAB ALLO HPCA BASIC PREP	\$1,260								

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Vaccine Name	NDC	PACK SIZE	COST*	MFG	COMMENTS
ACTHIB	49281-0545-03	5X1	\$48.34	SANOFI	<i>Influenza Type B</i>
ADACEL	49281-0400-10	10X0.5	\$325.25	SANOFI	<i>Tdap</i>
BEXSERO	58160-0976-20	10x0.5	\$1,554.45	GSKVAC	<i>Meningococcal Group B</i>
BOOSTRIX	58160-0842-11	10x0.5	\$388.99	GSKVAC	<i>Tdap</i>
DAPTACEL	49281-0286-10	10X0.5	\$190.80	SANOFI	<i>Tdap</i>
ENGERIX-B ADULT	58160-0821-11	10x1	\$547.31	GSKVAC	<i>Hepatitis B</i>
GARDASIL-9	00006-4121-02	10x0.5	\$2,083.35	MERCKC	<i>HPV</i>
HAVRIX ADULT	58160-00826-52	10x1	\$641.75	GSKVAC	<i>Hepatitis A</i>
HEPLISAV-B	43528-0003-05	5x0.5	\$480.40	DYNAVA	<i>Hepatitis B</i>
VAQTA ADULT	00006-4841-41	10X1	\$578.07	MERCKC	<i>Hepatitis A</i>
IPOL	49281-0860-10	1x5ml	\$205.12	SANOFI	<i>Polio</i>
KINRIX	58160-0812-11	10x0.5	\$482.94	GSKVAC	<i>Tdap</i>
MENACTRA	49281-0589-05	5x0.5	\$474.41	SANOFI	<i>Meningococcal ACWY</i>
MMRII	00006-4681-00	10x1	\$706.46	MERCKC	<i>MMR</i>
PENTACEL	49281-0510-05	5x1	\$305.29	SANOFI	<i>Tdap</i>
PNEUMOVAX23	00006-4943-00	10x0.5	\$990.88	MERCKC	<i>Pneumococcal-polysaccharide</i>
PREVNAR13	00005-1971-02	10x0.5	\$1,903.30	MERCKC	<i>Pneumococcal-conjugate</i>
SHINGRIX	58160-0819-11	10x1	\$1,424.87	GSKVAC	<i>Shingles</i>
TRUMENBA	00005-0100-05	5x0.5	\$628.94	PFIZER	<i>Meningococcal Group B</i>
TWINRIX	58160-0815-52	10x1	\$988.27	GSKVAC	<i>Hepatitis B</i>
VARIVAX	00006-4827-00	10x1	\$1,357.20	MERCKC	<i>Varicella</i>
FLU VACCINE 2019-2020	49281-0419-10	10X1	\$169.50	SANOFI	

\*OH will be applied to all vaccine charges.

**EXHIBIT C**  
**ADMINISTRATIVE AND STUDY POINTS OF CONTACT**

Refer to Section 17 ("Notices") of this Agreement.

**EXHIBIT D**  
**LETTER OF INDEMNIFICATION (LOI)/SUBJECT INJURY**

To: INSTITUTION

TITLE OF CLINICAL TRIAL: A 5-year, randomized, controlled, multi-center study to assess the safety and efficacy of FCR001 cell-based therapy relative to tacrolimus plus mycophenolate mofetil in de novo living donor renal transplant recipients, and safety in FCR001 donors

CRO: CTI Clinical Trial Services, Inc.

STUDY NUMBER: FCR001A2301

- 1) Institution has entered into an Accelerated Clinical Trial Agreement (ACTA) with CRO to participate in the above sponsored Study. CRO has been engaged by Talaris Pharmaceuticals, Inc. [the "**Sponsor**") to arrange and administer this sponsored multi-center clinical trial.
- 2) Sponsor has delegated to CRO responsibility for the management and monitoring of this Study. Sponsor has further authorized CRO to bind Sponsor to its obligations within the Accelerated Clinical Trial Agreement for this Study executed between CRO and Institution. Sponsor accepts responsibility for its obligations contained in that Accelerated Clinical Trial Agreement.
- 3) Institution agrees to participate by allowing the Study to be undertaken utilizing such facilities, personnel and equipment as Institution may reasonably need for its conduct of the Study.
- 4) In consideration of such participation by Institution, and subject to paragraph 5 below, the Sponsor shall defend, indemnify, and hold harmless the Institution and its medical affiliates and affiliated hospitals, and each of their trustees, officers, directors, governing bodies, subsidiaries, affiliates, investigators, employees, IRB members, agents, successors, heirs and assigns (collectively referred to as "**Institution's Indemnitees**"), from and against any third party claims, loss, damage, cost and expense of claims (including reasonable attorney's fees) and suits ("**Claims**"), alleged to be caused by or arising from the conduct of the Study or use of the Study Drug or Study Device under this Agreement or from the use of the Study results, regardless of the legal theory asserted.
- 5) Sponsor shall have no obligation to provide such indemnification to the extent that such Claim is solely caused by Institution's Indemnitee(s)': (1) failure to adhere to and comply with all material and substantive specifications and directions set forth in the Protocol (except to the extent such deviation is reasonable to protect the rights,

ACTA October 15, 2014; CRO August 10, 2015 - Revised 2/19/16 and 10/2/16

safety and welfare of the Study subjects); (2) failure to comply with all applicable laws and regulations in the performance of the Study; or (3) if such claim is directly caused by the negligent acts or omissions of Institution's Indemnitees(s).

- 6) Subject to the limits and without waiving any immunities provided under applicable law (including constitutional provisions, statutes and case law) regarding the status, powers and authority of the Institution or the Institution's principal(s), Institution shall indemnify, hold harmless and defend Sponsor, its directors, officers, employees and agents, ("Sponsor's Indemnitees") from and against only those third party Claims to the extent directly attributable to Institution's negligence in its conduct of the Study. Notwithstanding the above, Institution shall have no obligation to indemnify Sponsor for any other Claims (including, but not limited to, infringement or product liability Claims).
- 7) The indemnified Party shall give notice to the indemnifying Party promptly upon receipt of written notice of a Claim for which indemnification may be sought under this Agreement, provided, however, that failure to provide such notice shall not relieve indemnifying Party of its indemnification obligations except to the extent that the indemnifying Party's ability to defend such Claim is materially, adversely affected by such failure. Indemnifying Party shall not make any settlement admitting fault or incur any liability on the part of the indemnified Party without indemnified Party's prior written consent, such consent not to be unreasonably withheld or delayed. The indemnified Party shall cooperate with indemnifying Party in all reasonable respects regarding the defense of any such Claim, at indemnifying Party's expense. The indemnified Party shall be entitled to retain counsel of its choice at its own expense. In the event a Claim falls under this indemnification clause, in no event shall the indemnified Party compromise, settle or otherwise admit any liability with respect to any Claim without the prior written consent of the indemnifying Party, and such consent not to be unreasonably withheld or delayed.
- 8) EXCEPT FOR THE PARTIES' OBLIGATIONS TO INDEMNIFY EACH OTHER AS STATED ABOVE, NEITHER PARTY SHALL BE LIABLE TO THE OTHER PARTY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT, EVEN IF ADVISED OF THE POSSIBILITY OF THE SAME.
- 9) If a Study subject suffers an adverse reaction, illness, or injury which, in the reasonable judgment of Institution, was directly caused by a Study Drug or Study Device or any properly performed procedures required by the Protocol, Sponsor shall reimburse for the reasonable and necessary costs of diagnosis and treatment of any Study subject injury, including hospitalization, but only to the extent such expenses are not attributable to: (i) Institution's negligence or willful misconduct; or (ii) the natural progression of an underlying or pre-existing condition or events, unless exacerbated by participating in the Study.

- 10) Sponsor shall, at its sole cost and expense, procure and maintain commercial general liability insurance, clinical trial insurance and products liability insurance or equivalent self-insurance, unless otherwise indicated in an attachment, in amounts not less than \$3,000,000 per occurrence and \$10,000,000 annual aggregate. Such commercial general liability insurance, clinical trial insurance and products liability insurance or equivalent self-insurance shall provide contractual liability coverage for Sponsor's indemnification obligations herein.
- 11) Upon written request, Sponsor will provide evidence of its insurance policy or a program of self-insurance and will provide Institution with written notice of any material change in its coverage which would affect Sponsor's ability to meet its obligations under this Agreement. Sponsor's inability to meet its insurance obligation constitutes material breach of this LOI and the Accelerated Clinical Trial Agreement executed with the CRO for this Study.
- 12) During the Study and for at least two (2) years following the completion of the Study at all sites, Sponsor shall promptly provide Institution and Principal Investigator with the written report of any findings, including Study results and any routine monitoring findings in site monitoring reports, and data safety monitoring committee reports including, but not limited to, data and safety analyses, and any Study information that may (i) affect the safety and welfare of current or former Study subjects, or (ii) influence the conduct of the Study. Institution and/or Principal Investigator will communicate findings to the IRB and Study subjects, as appropriate.
- 13) Except as permitted in Article 10.3 in the ACTA, neither Institution nor Sponsor may use the name, trademark, logo, symbol, or other image or trade name of any other party or their employees and agents in any advertisement, promotion, or other form of publicity or news release or that in any way implies endorsement without the prior written consent of an authorized representative of the other party whose name is being used. Such approval will not be unreasonably withheld.

The authorized representatives have signed this Letter of Indemnification as set forth below.

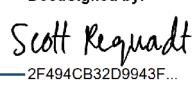
**Oregon Health & Science University**

By: Kristen Baptiste Digitally signed by Kristen  
Baptiste  
Date: 2020.12.18 15:58:27 -08'00'

Kristen Baptiste, JD  
Title: Manager – Clinical Trials Office,  
Contracting

Date: \_\_\_\_\_

**Talac, Inc.**

By:  DocuSigned by:  
Scott Requadt  
2F494CB32D9943F...

Name: Scott Requadt

Title: CEO

Date: 21-Dec-2020 | 13:11:37 PST

**READ AND ACKNOWLEDGED**

By: Douglas J. Norman Digitally signed by Douglas J.  
Norman  
Date: 2020.12.18 15:11:04 -08'00'

Douglas Norman, MD  
Principal Investigator

Date: 12/18/2020

ACTA October 15, 2014; CRO August 10, 2015 - Revised 2/19/16 and 10/2/16